













mass spectrometr	у	
detected features:		
 point mutations usually in primer regions 		
construct/sample mix-ups	-28 Da	
bound detergent molecules		
arg-lys substitutions		
 differential usage of codons in humans and <i>E. coli</i> <i>E. coli</i> might incorporate a lysine (AAA) if there is a lack of correct arg-tRNA. follow up : express the protein in <i>E coli</i> strain with extra 	-2 x28 Da	
supply of tRNAs for the rare codons	-3 x28 Da	SGCC Consortium



Native proteins fro	om E. coli commonly co-purified SwissProt access code	during IMAC Molecular Mass (kDa)	% Histidine residues	Isoelectric point (nI)	Metal requirement
FIGER	por off	MORCHIAI MASS (KISA)	76 Philippine residues	isoeneeure penne (pr)	n 2+ m 2+(a)
Fur Vod A	P009/5 P76344	22.3	5.2	5.6	(cd ²⁺ Zn ²⁺ (a)
Cu-7n-SODM	AA(*74718	176	4.0	59	(32 ² (A) 7n ² (A)
AroF	P73008	423	4.4	55	Ee2+ Ni2+
YadF	P36857	25.0	5.5	6.1	Zn2+, Hg2+(a,b)
GlgA	P08323	51.7	3.4	6.0	Mg ^{2+ (a,c)}
GlmS	P17169	66.8	3.9	5.5	-
CAT	AAA57080	25.5	5.5	5.9	Co ²⁺
Crp	P03020	23.6	2.9	8.3	
Hfq	P25521	11.1	4.9	6.9	
→ SlyD	P30856 20850 Da	20.8	10.2	4.8	Zn ²⁺ , Ni ²⁺
S15	P02371	10.2	5.6	10.4	
YfbG	P77398	74.2	4.1	6.3	
 Hsp60 	AAC77103 57195 Da	57.0	0.2	4.8	
OD01	P07015	10.5	3.6	6.0	
OD02	P07016	44.0	1.7	5.5	
G6PD	P22992	55.7	1.2	5.5	
^a Metal ions rep ^b As seen in the ^c Observed in it	structure of its human counterpart s human counterpart (PDB 1PY)	llization solution. art (PDB: 1CRM). X).			



















